

Title (en)
METHOD AND DEVICE FOR CONTROLLING AN AUTONOMOUS DEVICE

Title (de)
VERFAHREN UND VORRICHTUNG ZUR STEUERUNG EINER AUTONOMEN VORRICHTUNG

Title (fr)
PROCÉDÉ ET DISPOSITIF DE COMMANDE D'UN DISPOSITIF AUTONOME

Publication
EP 3123811 A4 20170222 (EN)

Application
EP 14886680 A 20140328

Priority
SE 2014050377 W 20140328

Abstract (en)
[origin: WO2015147715A1] It is presented a method for controlling an autonomous device (4) of a cellular network (5). The method is performed by a network device (20) and comprises the steps of: predicting (43) a need to increase coverage of the cellular network or a need to increase capacity of the cellular network, comprising the steps of: inputting live data features into a trained classifier (80); and outputting a launch class from the classifier (80);and activating (45) an autonomous device (4) of the cellular network, to improve the cellular network. Corresponding network devices, computer program and computer program product are also presented.

IPC 8 full level
H04W 84/00 (2009.01); **G06N 20/00** (2019.01); **H04W 16/18** (2009.01); **H04W 24/02** (2009.01)

CPC (source: EP US)
G06N 20/00 (2018.12 - EP US); **H04W 16/18** (2013.01 - US); **H04W 16/22** (2013.01 - US); **H04W 16/26** (2013.01 - EP US);
H04W 24/02 (2013.01 - EP US); **H04W 76/10** (2018.01 - EP US); **H04W 88/08** (2013.01 - EP US)

Citation (search report)
• [IY] WO 2013002825 A2 20130103 - QUALCOMM INC [US], et al
• [XY] US 2010273504 A1 20101028 - BULL JEFFREY F [US], et al
• [Y] US 2013143592 A1 20130606 - BRISEBOIS ARTHUR [US], et al
• [A] US 2010088410 A1 20100408 - RIDLEY PHILLIP ALLAN [AU]
• [A] "Cognitive Radio Communications and Networking", 5 October 2012, JOHN WILEY & SONS, LTD, Chichester, UK, ISBN: 978-0-470-97209-0, article ROBERT C. QIU ET AL: "Machine Learning", pages: 283 - 321, XP055324369, DOI: 10.1002/9781118376270.ch7
• See references of WO 2015147715A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2015147715 A1 20151001; EP 3123811 A1 20170201; EP 3123811 A4 20170222; US 10117108 B2 20181030;
US 2017111803 A1 20170420

DOCDB simple family (application)
SE 2014050377 W 20140328; EP 14886680 A 20140328; US 201415128469 A 20140328